

Title (en)

Device for handling the upper moving table carrying the punch in a bending press

Title (de)

Vorrichtung zur Betätigung des bewegbaren Oberbalkens mit Werkzeug einer Abkantpresse

Title (fr)

Dispositif de commande du tablier supérieur mobile avec outil d'une presse plieuse

Publication

EP 1466677 A1 20041013 (EN)

Application

EP 04006800 A 20040322

Priority

IT PR20030027 A 20030409

Abstract (en)

The invention deals with the field of bending presses, and, more precisely, deals with a device for handling the upper table moving along guiding pillars and carrying the punch. For every table guiding pillar, the device provides for a main lever (10) hinged in a point that is substantially axial with its related guiding pillar and whose driving arm (10a) is hinged to means (9) sliding along a rod (8) hinged to the upper table. The lever resisting arm (10b), whose length is approximately 8-10 times shorter than the driving arm length, rotates a crank (12) connected through an eccentric (13) or a connection rod to a connecting rod (14) that transmits the translating motion to the upper table. <IMAGE>

IPC 1-7

B21D 5/02; B30B 1/02

IPC 8 full level

B21D 5/02 (2006.01)

CPC (source: EP)

B21D 5/02 (2013.01)

Citation (search report)

- [A] DE 845334 C 19520731 - KIESERLING & ALBRECHT
- [A] GB 991095 A 19650505 - EDVARD KROGSGAARD IVERSON, et al
- [A] SE 448686 B 19870316 - DAHLSTROM CLAES INGE SIGFRID
- [A] US 6240758 B1 20010605 - NAGAKURA SEIJU [JP]

Cited by

ITPR20100036A1; IT202100006950A1; CN113828659A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1466677 A1 20041013; EP 1466677 B1 20060524; AT E327061 T1 20060615; DE 602004000940 D1 20060629; DE 602004000940 T2 20070118; ES 2265612 T3 20070216; IT PR20030027 A1 20041010

DOCDB simple family (application)

EP 04006800 A 20040322; AT 04006800 T 20040322; DE 602004000940 T 20040322; ES 04006800 T 20040322; IT PR20030027 A 20030409